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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No : TC- 5548

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID : CP-2018-01-29-12

Date: 03/02/2018

Customer : Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore.

Address : T. Dasarahalli Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at between 3rd and 4th main cross roads Manjunatha Nagara in ward no.14 Bagalagunte.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'A' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DLS/WO/79/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 29-01-18

Sample ID No : 2018-01-29-12 /013

Customer ID : C C Pavement

Sample Type/Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 03/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1.	C C Pavement	M30	27/01/2018	03/02/2018	151.22 X 151.18 X 150.98	22861	8.195	569.2	24.9	25.2
2.	C C Pavement	M30	27/01/2018	03/02/2018	150.34 X 151.26 X 150.74	22740	8.175	570.8	25.1	
3.	C C Pavement	M30	27/01/2018	03/02/2018	150.49 X 150.74 X 150.69	22685	8.199	580.7	25.6	

Note:
The results pertain to the samples received and tested.
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FOR CIVIL Pro.

R. Karthik

R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL PRO Sig Date BANGALORE

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No. TC- 5648

TEST REPORT OF CEMENT CONCRETE CUBES

Format No: CP/TF/01

Lab ID	:	**CP-2018-01-29-12**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore.
Address	:	T. Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at between 3rd and 4th main cross roads Manjunatha Nagara in ward no.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer's Reference	:	BBMP/EE/DD/WO/79/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	29-01-18
Sample ID No	:	2018-01-29-12 /04
Customer ID	:	C C Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date: 24/02/2018

Date of test : 24/02/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	C C Pavement	M30	27/01/2018	24/02/2018	151.64 X 150.78 X 150.99	22864	8.245	749.9	32.8	32.5
2	C C Pavement	M30	27/01/2018	24/02/2018	150.26 X 151.17 X 150.25	22715	8.198	729.1	32.1	
3	C C Pavement	M30	27/01/2018	24/02/2018	150.99 X 150.74 X 151.99	22760	8.175	739.7	32.5	

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TEST RESULTS OF GRADATION FOR WMM

CP/TT/01

Lab ID : **CP-RW-2018-01-16-15** **Date: 18-01-18**

Customer : Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore.

Address : T. Dasarahalli Sub division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at between 3rd and 4th main cross roads Manjunatha Nagara in ward no.14 Bagalagunte.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer Reference : BBMP/EE/DD/WO/79/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-01-18

Sample ID No : 2018-01-16-15/01

Type of Mix : WMM (Wet Mix Macadam)

Date of test : 16-01-18

Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Comulative Weight Retained (gm)	Comulative % of Retained	Comulative % of Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	312	312	2.8	97.2	95-100
22.4	2251	2563	23.3	76.7	60-80
11.2	2172	4735	43.0	57.0	40-60
4.75	2259	6994	63.6	36.4	25-40
2.36	1629	8623	78.4	21.6	15-30
0.6	625	9248	84.1	15.9	8-22
0.075	1342	10590	96.3	3.7	0-5

Note:-

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All information furnished by Customer/Representative

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TEST REPORT OF AGGEGRATE IMPACT VALUE

CP/TR/01

IS: 2386 Part IV

Lab ID	:	**CP-RW-2018-01-16-15**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP. **Date: 17-01-18**
Address	:	T. Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at between 3rd and 4th main cross roads Manjunatha Nagara in ward no.14 Bagalagunte.
Agency	:	Technical Manager West, K.R.I.D.L, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer Reference	:	BBMP/EE/DD/WO/79/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-18
Sample ID No	:	2018-01-16-15/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	16-01-18

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	301.7	301.5
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	71.2	70.2
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	230.1	230.7
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.6
5	Aggregate impact value	(B/A)*100	23.6	23.3
6	Aggregate impact value (Mean of two tests)	Pecentage	23.4	

Note:-

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CP/TF/01

DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2018-01-16-15**
Customer	:	Assistant Executive Engineer, T. Dasarahalli Sub division, BBMP, Bangalore. **Date: 18-01-18**
Address	:	T. Dasarahalli Sub division, BBMP, Bangalore.
Project Name	:	Improvements to roads and drains at between 3rd and 4th main cross roads Manjunatha Nagara in ward no.14 Bagalagunte.
Agency	:	Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th Cross, 17th 'C' main road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.
Customer Reference	:	BBMP/EE/DD/WO/79/2017-18
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	16-01-18
Sample ID No	:	2018-01-16-15/01
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	16-01-18

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	11.7%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	10.5%	
Combined Flakiness and Elongation Index for WMM	22.2%	

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬಿಬಿಎಂಪಿ
ಬೆಂಗಳೂರು

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